

Converting Colors

$Yxy(70.5555, 0.2712, 0.3111)$

Have a look what the booklet for
Yxy(70.5555, 0.2712, 0.3111)
contains.

Yxy(70.5791, 0.2712, 0.3118)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.5791, 0.2712, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	B0E3F2
RGB	176, 227, 242
RGB Percent	69%, 89%, 95%
CMY	0.3101, 0.1097, 0.0510
CMYK	0.27, 0.06, 0.00, 0.05
HSL	194°, 72%, 82%
HSV	194°, 27%, 95%
XYZ	61.3889, 70.5791, 94.3922
YIQ	213.4610, -35.2110, -6.1470

Conversions

Conversions Part 2

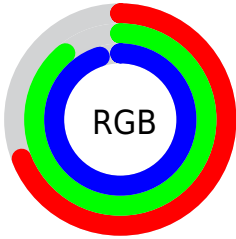
Format	Color
R_{YB}	176, 205, 242
Decimal	11592690
CIE _{Lab}	87.28, -12.97, -12.63
CIE _{LCh}	87, 18.106, 224.244
Yxy	70.5791, 0.2712, 0.3118
Android (android.graphics.Color)	4289782770 (0xFFB0E3F2)
YUV	213.4610, 14.0697, -32.8533
Hunter-Lab	84.0114, -16.5862, -7.8082

Details

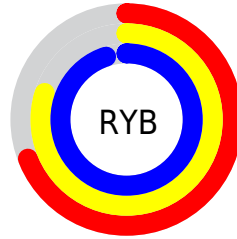
The Yxy color **70.5791, 0.2712, 0.3118** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.2343, 0.3678, 0.3455**, and the grayscale version is **66.7792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **37.1878, 0.2619, 0.3079** is the 20% darker color. If you saturate the color by 10%, you get **65.0545, 0.2571, 0.3045**, and if you desaturate by 10%, it is **76.7078, 0.2861, 0.3186**.

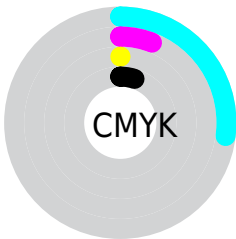
Distribution



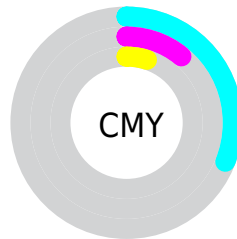
- Red (69%)
- Green (89%)
- Blue (95%)



- Red (69%)
- Yellow (80%)
- Blue (95%)



- Cyan (27%)
- Magenta (6%)
- Yellow (0%)
- Black (5%)



- Cyan (31%)
- Magenta (11%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.5791, 0.2712, 0.3118 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 70.5791, 0.2712, 0.3118 by changing the saturation by 10% instead.

70.5791, 0.2712,
0.3118

70.5791, 0.2712,
0.3118

462.5807, 0.2902,
0.3201

51.9988, 0.2669,
0.3098

120.0342, 0.2778,
0.3147

37.0041, 0.2616,
0.3074

151.6778, 0.2803,
0.3159

25.2107, 0.2550,
0.3042

188.4446, 0.2825,
0.3168

16.2341, 0.2463,
0.3000

230.7190, 0.2845,
0.3176

9.6899, 0.2347,
0.2940

278.8855, 0.2862,
0.3184

5.1939, 0.2184,
0.2852

333.3283, 0.2877,

2.3615, 0.1937,

0.3190

0.2708

394.4319, 0.2890,
0.3196

0.8060, 0.1380,
0.2476

0.0000, 0.0000,
0.0000

70.5791, 0.2712,
0.3118

70.5791, 0.2712,
0.3118

65.0545, 0.2571,
0.3045

76.7078, 0.2861,
0.3186

60.0980, 0.2441,
0.2967

83.4577, 0.3014,
0.3248

55.6822, 0.2324,
0.2886

90.8557, 0.3169,
0.3305

51.7739, 0.2226,
0.2803

95.4043, 0.3207,
0.3357

■ 48.3354, 0.2146,
0.2718

■ 98.8461, 0.3203,
0.3410

■ 45.3226, 0.2086,
0.2634

■ 99.1909, 0.3203,
0.3415

■ 42.6781, 0.2045,
0.2550

■ 42.0037, 0.2036,
0.2528

Harmonies

Analogous

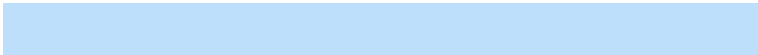
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.5791, 0.2794, 0.3317



70.5791, 0.2712, 0.3118



70.5791, 0.2736, 0.2976

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.5791, 0.2712, 0.3118



70.5791, 0.3284, 0.3079



70.5791, 0.3391, 0.3677

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



70.5791, 0.2712, 0.3118



59.2343, 0.3678, 0.3455

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.5791, 0.3531, 0.3595



70.5791, 0.2712, 0.3118



70.5791, 0.3469, 0.3250

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.5791, 0.2712, 0.3118



70.5791, 0.3060, 0.2960



70.5791, 0.3561, 0.3437



70.5791, 0.3182, 0.3650

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.5791, 0.2712, 0.3118



70.5791, 0.2809, 0.2929



70.5791, 0.3561, 0.3437



70.5791, 0.3448, 0.3660

Sweetspot

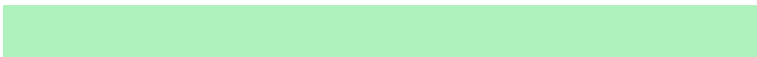
The Sweet Spot groups the original color and five complimentary colors.



70.5819, 0.2712, 0.3118



93.4180, 0.3003, 0.3244



76.4562, 0.3009, 0.3902



19.7416, 0.2980, 0.3235



0.0000, 0.0000, 0.0000



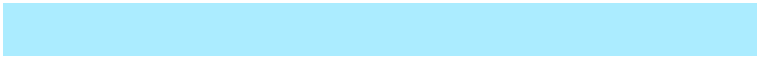
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.5819, 0.2712, 0.3118



75.8043, 0.2629, 0.3076



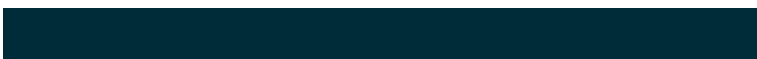
54.5079, 0.2673, 0.2731



17.2855, 0.2981, 0.3235



22.7795, 0.2039, 0.2542



2.0419, 0.2070, 0.2652

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



55.4491, 0.3278, 0.2754



56.3805, 0.3318, 0.2638



74.9358, 0.3588, 0.3792



15.9665, 0.3173, 0.3109



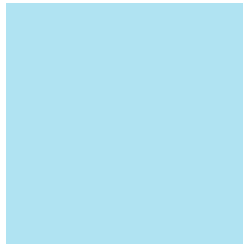
12.0930, 0.3881, 0.1912



1.0208, 0.3774, 0.1853

Previews

White Background



This preview shows how the Yxy color 70.5791, 0.2712, 0.3118 looks on a white background.

Color Contrast Check

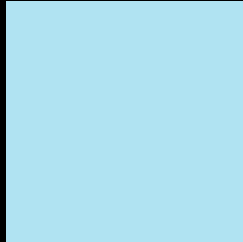
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 70.5791, 0.2712, 0.3118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

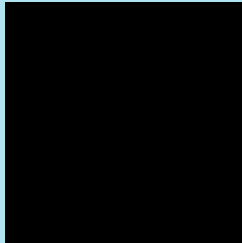
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.5791, 0.2712, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 70.5791, 0.2712, 0.3118.

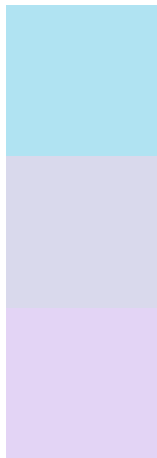


This preview shows how white text looks on a background with the Yxy color 70.5791, 0.2712, 0.3118.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

70.5791, 0.2712, 0.3118

Protanopia

70.4336, 0.3003, 0.3085

Deuteranopia

70.0104, 0.3015, 0.2944



Tritanopia

70.8779, 0.2702, 0.3085

Trichromacy



Original Color

70.5791, 0.2712, 0.3118

Protanomaly

70.4425, 0.2890, 0.3102

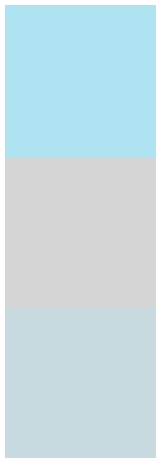
Deuteranomaly

69.5673, 0.2892, 0.2996

Tritanomaly

70.8169, 0.2707, 0.3096

Monochromacy



Original Color

70.5791, 0.2712, 0.3118

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.8040, 0.2962, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5791, 0.2712, 0.3118 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(176, 227, 242)` looks like.

```
.text, #text, p{  
    color:rgb(176, 227, 242)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(176, 227, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 227, 242) }
```

Border

The CSS property to change the border of an element to Yxy 70.5791, 0.2712, 0.3118 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 227, 242) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(176, 227, 242) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(176, 227, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 227, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 227, 242);  
box-shadow:4px 4px 4px 4px rgb(176, 227,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5791, 0.2712, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 227, 242) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(176,  
227, 242) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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